

Claims

Please amend the claims as follows.

1. (Cancel) In combination with a water vessel, said water vessel having a tub, the tub having an inside surface, a closed loop plumbing system, a water pump and a suction device having a porous faceplate, the improvement comprising;

A purification device attached to a component of said suction device; said purification device having a means functioning to generate and release ions; wherein said ions inhibit bacteria growth in said water vessel.

2. (Cancel) In combination with a whirlpool bathtub, said whirlpool bathtub having a tub, the tub having an inside surface, a closed loop plumbing system, a water pump and a suction device having a porous faceplate; the improvement comprising;

a purification device attached to said faceplate; said purification device having a power source; said purification device having a positive and the electrode; wherein the power source provides current to the electrodes; wherein current runs between said negative and positive electrode when water is present; wherein the positive electrode releases at least one ion; and wherein the said ion inhibits the growth of bacteria in said whirlpool bathtub.

3. (Cancel) The apparatus of claim 2, wherein the said purification device has a current limiting device.

4. (Cancel) The apparatus of claim 2, wherein the said purification device further comprises a chemical chamber that houses a chemical therein.

5. (Cancel) The apparatus of claim 4, wherein the said chemical chamber is attached to the said faceplate.

6. (Cancel) The apparatus of claim 2, wherein the said purification device has a filter.
7. (Cancel) The apparatus of claim 6, wherein the said filter is attached to the said faceplate.
8. (Cancel) The apparatus of claim 7, wherein the said filter is removable and replaceable.
9. (Cancel) The apparatus of claim 2, wherein at least one component of the purification device is seal preventing contact with water.
10. (Cancel) The apparatus of claim 2, wherein at least one component of the purification device is retrofittable to a suction device.
11. (Cancel) The apparatus of claim 2, wherein the said ion inhibits bacteria growth between said whirlpool bathtub usages.
12. (Cancel) The apparatus of claim 2, wherein the said purification device has a mechanism to alert a user when to replace said purification device.
13. (Cancel) A method to retrofit a suction device having a housing and a faceplate with a purification device, the steps comprising;
 1. removing the faceplate from the housing.
 2. attaching a purification device having a power source, at least one electrode, and a current limiting device to the faceplate.
 3. reattaching the faceplate to the housing.
14. (Cancel) The apparatus of claim 11, wherein the said purification device is removable from the faceplate.
15. (Currently amended) A water vessel, the improvement comprising;

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a housing assembly having a mounting surface for providing a [flush] mount to the inside surface of [the tub] a whirlpool bathtub; said housing assembly having an input orifice and an output orifice, and a shape to enable drainage; said input orifice having a vertically orientated faceplate; an ion generator located adjacent to said faceplate; said ion generator releasing ions into water having high velocity water flow; whereby said water is directly induced into a suction line [of the whirlpool bathtub] leading to [the] a water pump; and wherein the ions inhibits growth of a microorganism in the water vessel during water vessel use or between whirlpool bathtub usages.

16. (Previously presented) The apparatus of claim 15, wherein the housing assembly further comprises a non-electrical cavitation port to shut down a suction force of the pump if said input orifice is blocked.

17. (Previously presented) The apparatus of claim 15, wherein the housing assembly further comprises a non-electrical cavitation port to shut down of the pump if said input orifice if blocked.

18. (Previously presented) The apparatus of claim 15, wherein the housing assembly further comprises a filter located adjacent to said faceplate.

19. (Previously presented) The apparatus of claim 15, wherein the faceplate further comprises a chemical dispenser.

20. (Currently amended) The apparatus of claim 15, wherein the housing assembly further comprises an electrical shut off mechanism to shut down a suction force of the pump if the [faceplate screen is removed or said] housing orifice is partially blocked.

21. (Previously presented) The apparatus of claim 15, further comprising a skimmer to intake a low velocity water flow at the fill line of the tub.

22. (Previously presented) The apparatus of claim 15 further comprising a screen mechanism to prevent debris from the tub from flowing into the output jets and entering the closed loop piping system.

23. (Currently amended) A water vessel, the improvement comprising;
a housing assembly having a mounting surface for providing a [flush] mount to the inside surface of [the tub] a whirlpool bathtub; said housing assembly having an input orifice and an output orifice and a shape to enable drainage; said input orifice having a vertically orientated faceplate; an ion generator located adjacent to said faceplate or attached to said faceplate; said ion generator having an anode and a cathode; a power supply that provides current; said ion generator releasing ions into water having [high velocity] water flow, whereby said water is directly induced into a suction line [of the whirlpool bathtub] leading to the water pump; wherein said ions inhibits growth of a microorganism in the water vessel [use or between whirlpool bathtub usages].

24. (Previously presented) The apparatus of claim 23, further having a chemical dispenser located adjacent to said faceplate or attached to said faceplate.

25. (Previously presented) The apparatus of claim 23, further having a filter located adjacent to said faceplate.

26. (Currently amended) A water vessel, the improvement comprising;
a housing assembly having a mounting for providing a [flush] mount to the inside surface of [the tub] a whirlpool bathtub; said housing assembly having an input orifice and an output orifice and a shape to enable drainage; said input orifice having an anode and a cathode; a power supply that provides current; a current [limited] limiting device that limits current to the electrodes; said ion generator releasing ions into water; whereby said water is directly induced into a suction line [of the whirlpool bathtub] leading to a water pump; and wherein said ions inhibit a growth of a microorganism in the water vessel [use or] between whirlpool bathtub usages.

27. (Previously presented) The apparatus of claim [25] 26, further having a chemical dispenser located adjacent to said faceplate or attached to said faceplate.
28. (Currently amended) The apparatus of claim [25] 26, further having a chemical dispenser located adjacent to said faceplate or attached to said faceplate.
29. (Currently amended) The apparatus of claim [25] 27, said chemical chamber having a single chemical release opening.

Applicants respectfully request that these claims be allowed.

Respectfully,



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